

LOOP EXTENDER WITH COMMUNICATIONS, CONTROL, AND
DIAGNOSTICS

ABSTRACT OF THE DISCLOSURE

In accordance with the present invention, a DSL network for improving the transmission of DSL signals over a local loop is disclosed. The DSL network includes a loop extender with communications, control, and diagnostic functionality, and a central office including a DSLAM and a central office controller coupled to the loop extender via the local loop for controlling the loop extender.

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